

West Virginia Chemical Leak
Etowah, Kanawha County, West Virginia
TDD No TL01-14-01-001



Photo No. IMG_0004; Taken on 03/02/14 at 9:07 hours by START JW. Contamination is visible on the surface of the water beside tank 395.



Photo No. IMG_1226; Taken on 01/24/14 at 11:42 hours by START GN. Ice covered water in collection trench



Photo No. IMG_1227; Taken on 01/24/14 at 14:32 hours by START GN. Ice cover on Elk River



Photo No. IMG_1232; Taken on 01/25/14 at 13:01 hours by START GN. Ice forming in Elk River.

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Photo No. IMG_1248; Taken on 01/27/14 at 16:18 hours by START GN. Water in collection trench.

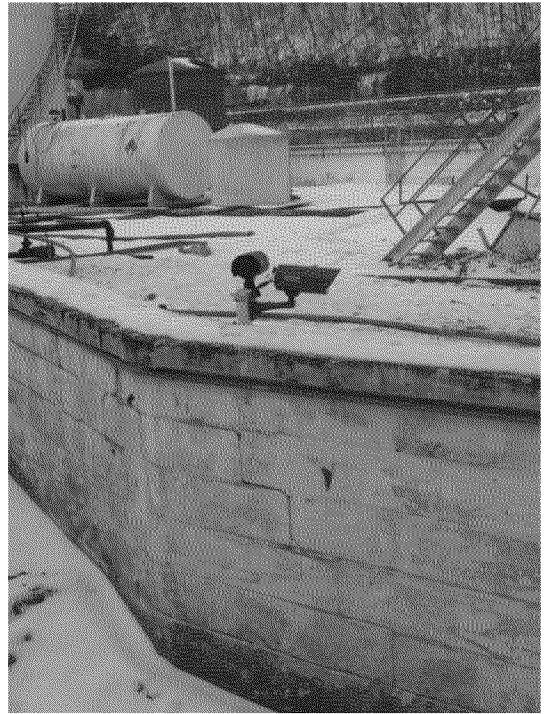


Photo No. IMG_1251; Taken on 01/28/14 at 8:26 hours by START GN. Surveillance cameras installed.



Photo No. IMG_1273; Taken on 01/28/14 at 14:37 hours by START GN. Confined space entry team.



Photo No. IMG_3563; Taken on 01/28/14 at 14:45 hours by START SG. Perspective view - hole for sump in containment trench.

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Photo No. IMG_3566; Taken on 01/28/14 at 14:58 hours by START SG. Sump installed in the bottom of the containment trench.



Photo No. IMG_1278; Taken on 01/28/14 at 14:58 hours by START GN. Making entry into Tank 396 through manway.

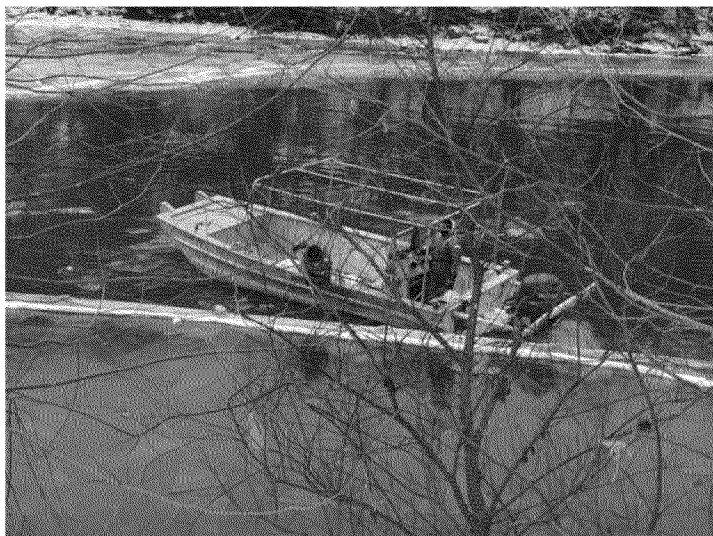


Photo No. IMG_3570; Taken on 01/28/14 at 15:31 hours by START SG. Clean Harbors clearing ice from outside the boom. This will allow access to the boom if needed.



Photo No. IMG_1292; Taken on 01/29/14 at 15:01 hours by START GN. CEC measuring WQ parameters for sample "CU".

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Photo No. IMG_0016; Taken on 01/30/14 at 15:49 hours by START GN. Constructing french drain in containment trench.



Photo No. IMG_0020; Taken on 01/30/14 at 17:10 hours by START GN. Northern trench excavated to clay below rip rap layer.

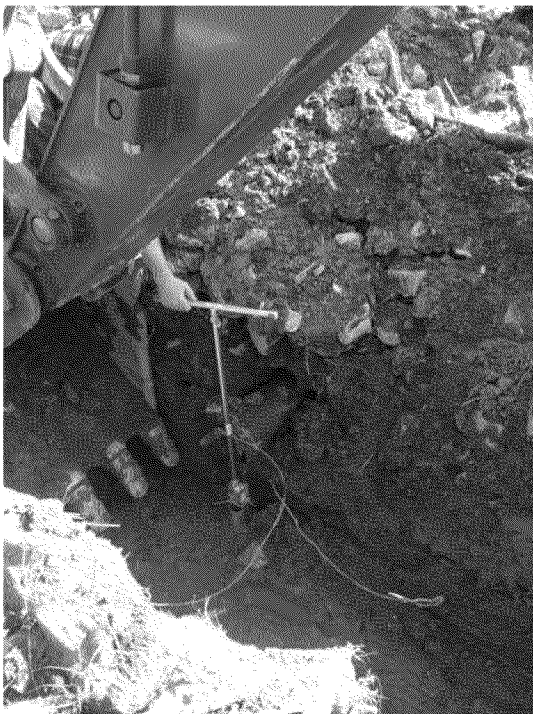


Photo No. IMG_0045; Taken on 01/31/14 at 12:50 hours by START GN. Collecting sample "Pipe-1" using 8-oz jar zip-tied to auger.



Photo No. IMG_0049; Taken on 01/31/14 at 15:10 hours by START GN. New deeper trench excavation area.

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Photo No. IMG_0058; Taken on 01/31/14 at 16:51 hours by START GN. Preparing to install trench box in excavation.

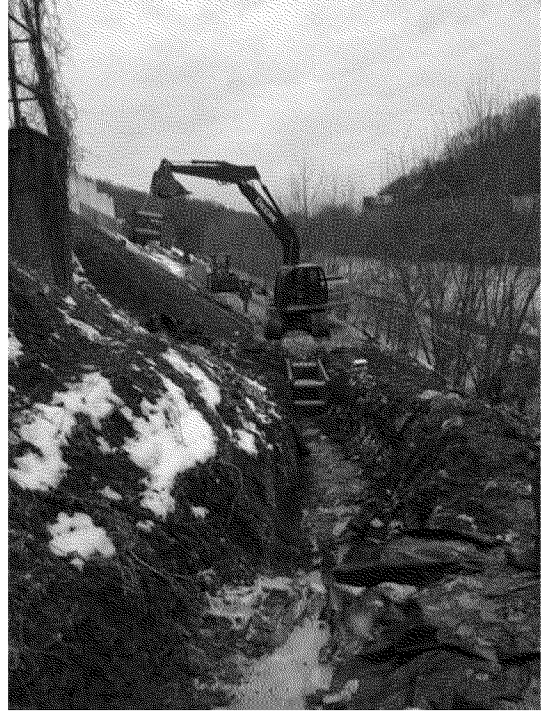


Photo No. IMG_0062; Taken on 01/31/14 at 17:07 hours by START GN. Installing second trench box in excavation.



Photo No. IMG_3627; Taken on 02/03/14 at 8:26 hours by START SG. Clean Harbors during ice management at the boom on the river.



Photo No. IMG_3628; Taken on 02/04/14 at 8:37 hours by START SG. View of the rising waters in the Elk River.

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Photo No. IMG_0161; Taken on 02/04/14 at 8:00 hours by
START GN. Placing tarp over plywood cover over trench.



Photo No. IMG_0171; Taken on 02/05/14 at 8:28 hours by
START GN. Tarps placed on hill side and over trench area.



Photo No. SAM_1867; Taken on 02/06/14 at 11:24 hours by
START MD. Clean Harbors changing out the boom on the Elk
River.



Photo No. SAM_1878; Taken on 02/06/14 at 16:12 hours by
START MD. Diversified sampling the monitoring wells.

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Photo No. SAM_1893; Taken on 02/07/14 at 9:23 hours by START MD. WVDEP inspecting the site near the intercept trench



Photo No. SAM_1919; Taken on 02/07/14 at 13:36 hours by START MD. Diversified sampling the monitoring wells.



Photo No. IMG_0246; Taken on 02/11/14 at 9:06 hours by START GN. Ice on standing water inside tank containment area.



Photo No. IMG_0247; Taken on 02/11/14 at 9:06 hours by START GN. Water in sump inside tank containment area.

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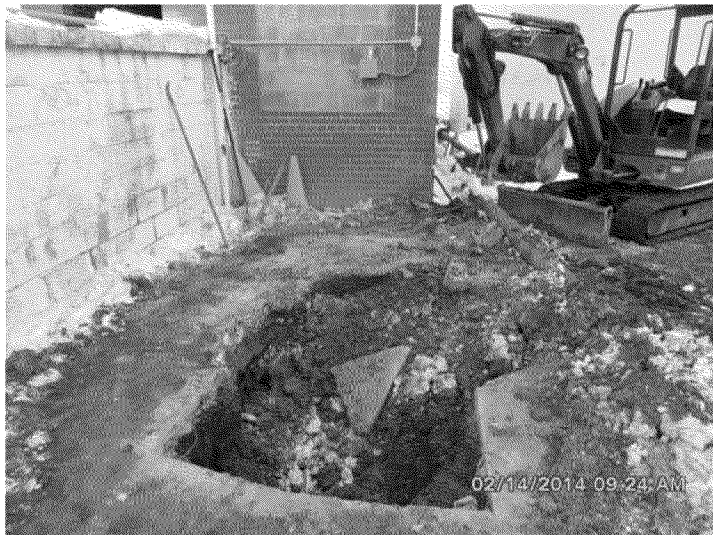


Photo No. SAM_1943; Taken on 02/14/14 at 9:24 hours by START MD. Excavation of the sump near the west containment wall, inside the wall.



Photo No. SAM_1949; Taken on 02/14/14 at 11:28 hours by START MD. A robotic camera entering the culvert pipe.



Photo No. SAM_1979; Taken on 02/16/14 at 13:07 hours by START MD. Water in the intercept trench.



Photo No. SAM_2060; Taken on 02/20/14 at 9:29 hours by START MD. Product sheen visible on the water in the intercept trench.

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Photo No. IMG_0289; Taken on 02/24/14 at 13:23 hours by START GN. Removing second trench box.

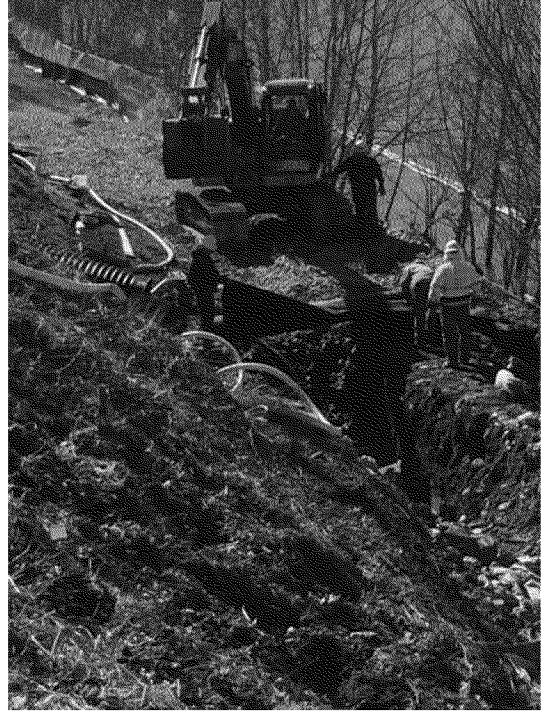


Photo No. IMG_0296; Taken on 02/24/14 at 13:45 hours by START GN. Laying out HDPE liner to install in trench.



Photo No. IMG_0302; Taken on 02/24/14 at 13:47 hours by START GN. Installing HDPE liner to install in trench.



Photo No. IMG_0324; Taken on 02/24/14 at 14:27 hours by START GN. Installing geotextile fabric layer in trench.

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Photo No. IMG_0330; Taken on 02/24/14 at 14:32 hours by START GN. Sump pipe in trench.



Photo No. IMG_0332; Taken on 02/24/14 at 14:35 hours by START GN. Installing perforated 36-inch vertical pipe in trench sump.



Photo No. IMG_0338; Taken on 02/24/14 at 14:52 hours by START GN. Placing rock around sump pipe.

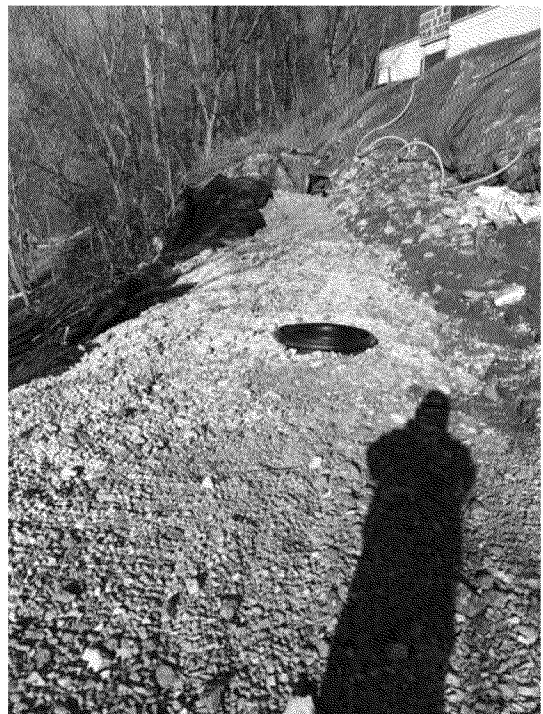


Photo No. IMG_0352; Taken on 02/24/14 at 16:22 hours by START GN. Installed trench sump pipe.

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Photo No. IMG_0366; Taken on 02/25/14 at 16:16 hours by START GN. Excavating 6-9" soil/gravel in vac trailer parking area.



Photo No. IMG_0372; Taken on 02/25/14 at 16:58 hours by START GN. Gravel spread in excavated area.



Photo No. IMG_0387; Taken on 02/26/14 at 17:13 hours by START GN. Water discharging from under footer of containment wall east side and filling hole.



Photo No. IMG_0398; Taken on 02/27/14 at 15:15 hours by START GN. RP contractors sealing culvert - east wall.

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Photo No. IMG_0407; Taken on 03/01/14 at 17:22 hours by
START GN. Inflatable plug installed in oil water separator
sump.